

Illinois Tool Inc

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F2H

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Service

Gill Jennings and Every,
53—64 Chancery Lane,
London WC2A 1HN(54) Screw anchors for use in
masonry(57) A threaded fastener 10 designed
for anchoring embodiment into
masonry structures 24 which include
relatively hard aggregate. The shank
has formed thereon a spaced, helical,
continuous thread 12 extending from

the entering portion 13 towards the
enlarged head portion 14 for a
substantial portion of the length of the
shank, the helical thread having a V-
shaped cross-sectional configuration
with the flanks of the thread
intersecting at an included angle A_2 in
the range of 50° to 65° , and the
helical thread extending about the
shank at a lead angle A_1 in the range
of 6° to 8.5° . The fastener is inserted
with a rotational speed not exceeding
250 RPM at torque levels not less
than 150 in. lb. (1700 cm N). A
second helical thread may be located
intermediate the turns of the main
thread and have a smaller crest
diameter.

Fig. 1

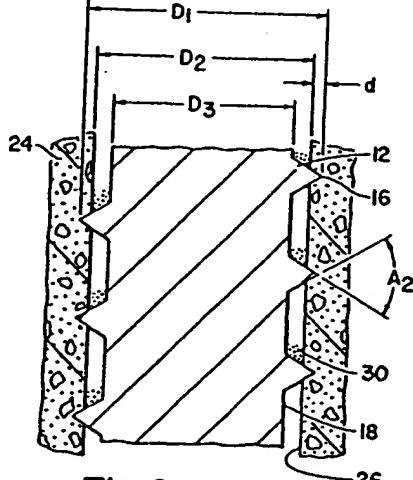
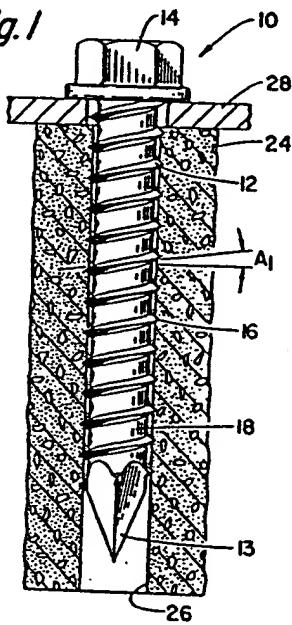


Fig. 2

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